

## ABSTRACT

A method for determining whether a connection event between a base station and a wireless transmit/receive unit (WTRU) should be accepted or rejected, comprises measuring the interference level  $I_0$  in a candidate timeslot; measuring the path loss  $L$  between the base station and the WTRU; measuring the total transmit power  $P_0$  of the base station; determining a thermal noise level  $\theta$ ; determining a fading average signal-to-interference ratio (SIR); and calculating a ratio  $R$ , wherein if the ratio  $R$  is above a certain threshold the connection event will be accepted and if the call is below the threshold it will be rejected.